Kengo Sugahara

List of Publications by Year
in descending order

19 papers	135 citations	1307594 7 h-index	1199594 12 g-index
19 all docs	19 docs citations	19 times ranked	56 citing authors

#	Article	IF	Citations
1	Reduced Order Modeling Based on Multiport Cauer Ladder Network for Space Harmonics of Air-Gap Flux Density in Cage Induction Motor. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	5
2	A Novel Reluctance Network Model Applicable for Open Magnetic Circuits. Journal of the Magnetics Society of Japan, 2021, 45, .	0.9	0
3	Equivalent Circuit in Cauer Form for Eddy Current Field Including a Translational Mover. IEEE Transactions on Magnetics, 2020, 56, 1-7.	2.1	3
4	Model Order Reduction of an Induction Motor Using a Cauer Ladder Network. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	13
5	Modal Decomposition of 3-D Quasi-Static Maxwell Equations by Cauer Ladder Network Representation. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	7
6	Multi-Port Model Order Reduction Using a Matrix Cauer Ladder Network. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	9
7	Cauer Ladder Network With Multiple Expansion Points for Efficient Model Order Reduction of Eddy-Current Field. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	7
8	Terahertz field enhancement by bull's eye antenna for force-detected electron paramagnetic resonance measurements. , 2019, , .		0
9	Reduction of AM Radio Noise of a VVVF Inverter for an Electric Railway Car and a Simulation Model of Noise Current. , 2019, , .		2
10	Reduction of AM Radio Noise of a VVVF Inverter for an Electric Railway Car and a Simulation Model of Noise Current. IEEJ Transactions on Industry Applications, 2019, 139, 495-502.	0.2	2
11	Cauer Ladder Network Representation of Eddy-Current Fields for Model Order Reduction Using Finite-Element Method. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	45
12	Finite-Element Analysis of Unbounded Eddy-Current Problems Using Cauer Ladder Network Method. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	7
13	Dynamical Model of an Electromagnet using Cauer Ladder Network Representation of Eddy-current Fields. IEEJ Journal of Industry Applications, 2018, 7, 305-313.	1.1	7
14	Simple and low-cost tabletop NMR system for chemical-shift-resolution spectra measurements. Journal of Magnetic Resonance, 2018, 294, 128-132.	2.1	12
15	Matrix Formulation of the Cauer Ladder Network Method for Efficient Eddy-Current Analysis. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	10
16	Improvised Asymptotic Boundary Conditions for Magnetostatic Field Problems in Ellipsoidal and Elliptic Cylindrical Domains. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
17	Dynamical model of an electromagnet by cauer ladder network representation of eddy-current fields. , 2017, , .		1
18	Improvised asymptotic boundary conditions for quasi-static magnetic-field problems in ellipsoidal domains. , 2016, , .		0

#	Article	IF	Citations
19	Strategic dual image method for three-dimensional magnetic field problems. , 2016, , .		0